



# SEQUENCE LISTING

<110> Lukyanov, Sergey

<120> Nucleic Acids Encoding Linked  
Chromo/Fluorescent Domains and Methods for Using the Same

<130> CLON-094

<140> us 10/806,930

<141> 2004-03-22

<150> 09/976,673

<151> 2001-10-12

<150> 60/356,225

<151> 2002-02-11

<150> 60/383,336

<151> 2002-05-22

<150> PCT/US02/32560

<151> 2002-10-10

<160> 12

<170> FastSEQ for Windows Version 4.0

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 Gly Ala Pro Leu Pro Phe Ala Phe Asp Ile Leu Ala Pro Cys Cys Glu  
 50 55 60  
 Tyr Gly Ser Arg Thr Phe Val His His Thr Ala Glu Ile Pro Asp Phe  
 65 70 75 80  
 Phe Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Thr  
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 100 105 110  
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 115 120 125  
 Ala Asp Gly Pro Val Met Lys Asn Lys Ser Gly Gly Trp Glu Pro Ser  
 130 135 140  
 Thr Glu Val Val Tyr Pro Glu Asn Gly Val Leu Cys Gly Arg Asn Val  
 145 150 155 160  
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 Ser Tyr Arg Ser Lys Lys Ala Val Arg Ala Leu Thr Met Pro Gly Phe  
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 His Phe Thr Asp Ile Arg Leu Gln Met Leu Arg Lys Glu Lys Asp Glu  
 195 200 205  
 Tyr Phe Glu Leu Tyr Glu Ala Ser Val Ala Arg Tyr Ser Asp Leu Pro  
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 Glu Lys Ala Asn Arg Ser Pro Gly Met Val Ser Gly Leu Leu Lys Glu  
 225 230 235 240  
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 245 250 255  
 Phe Lys Cys Glu Gly Glu Gly Asp Gly Asn Pro Phe Ala Gly Thr Gln  
 260 265 270  
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 Asp Ile Leu Ala Pro Cys Cys Glu Tyr Gly Ser Arg Thr Phe Val His  
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 His Thr Ala Glu Ile Pro Asp Phe Phe Lys Gln Ser Phe Pro Glu Gly  
 305 310 315 320  
 Phe Thr Trp Glu Arg Thr Thr Thr Tyr Glu Asp Gly Gly Ile Leu Thr  
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 Ala His Gln Asp Thr Ser Leu Glu Gly Asn Cys Leu Ile Tyr Lys Val  
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	420		425	
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Gly Ala Pro Leu Pro Phe Ala Phe Asp Ile Leu Ala Pro Cys Cys Glu	
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	45

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Tyr Gly Ser Arg Thr Phe Val His His Thr Ala Glu Ile Pro Asp Phe				
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Phe Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr				
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Tyr Glu Asp Gly Gly Ile Leu Thr Ala His Gln Asp Thr Ser Leu Glu				
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Gly Asn Cys Leu Ile Tyr Lys Val Lys Val Leu Gly Thr Asn Phe Pro				
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	130	135	140	
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	195	200	205	
Tyr Phe Glu Leu Tyr Glu Ala Ser Val Ala Arg Tyr Ser Asp Leu Pro				
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Glu Lys Ala Asn Arg Ser Pro Gly Met Val Ser Gly Leu Leu Lys Glu				
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Ser Met Arg Ile Lys Met Tyr Met Glu Gly Thr Val Asn Gly His Tyr				
	245	250	255	
Phe Lys Cys Glu Gly Glu Gly Asp Gly Asn Pro Phe Ala Gly Thr Gln				
	260	265	270	
Ser Met Arg Ile His Val Thr Glu Gly Ala Pro Leu Pro Phe Ala Phe				
	275	280	285	
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His Thr Ala Glu Ile Pro Asp Phe Phe Lys Gln Ser Phe Pro Glu Gly				
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Lys Ser Gly Gly Trp Glu Pro Ser Thr Glu Val Val Tyr Pro Glu Asn				
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 65 70 75 80  
 Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Thr Tyr  
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 Glu Asp Gly Gly Ile Leu Thr Ala His Gln Asp Thr Ser Leu Glu Gly  
 100 105 110  
 Asn Cys Leu Ile Tyr Lys Val Lys Val His Gly Thr Asn Phe Pro Ala  
 115 120 125  
 Asp Gly Pro Val Met Lys Asn Lys Ser Gly Gly Trp Glu Pro Ser Thr  
 130 135 140  
 Glu Val Val Tyr Pro Glu Asn Gly Val Leu Cys Gly Arg Asn Val Met  
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 Ala Leu Lys Val Gly Asp Arg His Leu Ile Cys His His Tyr Thr Ser  
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Phe	Glu	Asp	His	Arg	Ile	Glu	Ile	Leu	Glu	Glu	Val	Glu	Lys	Gly	Lys
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Tyr	Phe	Lys	Cys	Thr	Gly	Lys	Gly	Glu	Gly	Asn	Pro	Leu	Glu	Gly	Thr
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Val	Lys	Ile	Leu	Gly	Asn	Asn	Phe	Pro	Ala	Asp	Gly	Pro	Val	Met	Gln
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Asn	Lys	Ala	Gly	Arg	Trp	Glu	Pro	Ser	Thr	Glu	Ile	Val	Tyr	Glu	Val
	370					375					380				
Asp	Gly	Val	Leu	Arg	Gly	Gln	Ser	Leu	Met	Ala	Leu	Glu	Cys	Pro	Gly
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Gly	Arg	His	Leu	Thr	Cys	His	Leu	His	Thr	Thr	Tyr	Arg	Ser	Lys	Lys
			405						410					415	
Pro	Ala	Ser	Ala	Leu	Lys	Met	Pro	Gly	Phe	His	Phe	Glu	Asp	His	Arg
			420					425					430		
Ile	Glu	Ile	Leu	Glu	Glu	Val	Glu	Lys	Gly	Lys	Cys	Tyr	Lys	Gln	Tyr

